Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/11/2015 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123734	-2	2.64	123514	2.57
Blue	F	SSC	125000	123473	-2	2.62	124458	2.35
Blue	E	FITC	17998	17479	-3	2.96	987	8.67
Blue	D	PE	23234	22705	-3	2.69	1023	7.85
Blue	B	PerCP-Cy5-5	69571	68578	-2	3.19	1806	12.48
Blue	A	PE-Cy7	77815	76918	-2	4.13	1009	23.35
Red	C	APC	65936	65024	-2	3.08	3670	8.19
Red	A	APC-Cy7	100669	101835	1	3.14	2007	7.96
Violet	B	V450	10405	9925	-5	3.30	617	7.89
Violet	A	V500	47250	46126	-3	2.91	2608	5.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19634	10.61	592	13	N/A	N/A	Pass
Blue	F	SSC	61606	1.86	505	16	N/A	N/A	Pass
Blue	E	FITC	108	32.23	523	8	0.0273	6	Pass
Blue	D	PE	213	22.94	516	9	0.1900	117	Pass
Blue	B	PerCP-Cy5-5	219	36.67	600	10	0.0126	0	Pass
Blue	A	PE-Cy7	77	89.85	656	10	0.0170	7	Pass
Red	C	APC	342	26.14	584	6	0.0218	22	Pass
Red	A	APC-Cy7	127	37.07	566	7	0.0051	797	Pass
Violet	B	V450	65	41.18	460	10	0.0482	1806	Pass
Violet	A	V500	170	20.27	500	12	0.0154	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.59	47.70 - 71.54	N/A	N/A	-31.67	-31.45	0.73
Blue	20.48	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	15.99	13.07 - 19.61	N/A	N/A	32.11	32.38	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 13237

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments